

Converting Colors

XYZ(21.0055, 33.5317, 21.5748)

Have a look what the booklet for
XYZ(21.0055, 33.5317, 21.5748)
contains.

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Color

**XYZ(21.0037, 33.5174,
21.5822)**

Conversions

Conversions Part 1

Format	Color
Hex	44B073
RGB	68, 176, 115
RGB Percent	27%, 69%, 45%
CMY	0.7333, 0.3098, 0.5490
CMYK	0.61, 0.00, 0.35, 0.31
HSL	146°, 44%, 48%
HSV	146°, 61%, 69%
XYZ	21.0037, 33.5174, 21.5822
YIQ	136.7540, -44.7870, -41.8670

Conversions

Conversions Part 2

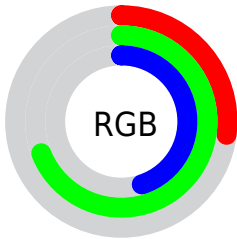
Format	Color
RYB	68, 143, 176
Decimal	4501619
CIELab	64.58, -45.03, 22.32
CIELCh	65, 50.255, 153.638
Yxy	33.5174, 0.2760, 0.4404
Android (android.graphics.Color)	4282691699 (0xFF44B073)
YUV	136.7540, -10.7247, -60.2973
Hunter-Lab	57.8942, -36.5561, 18.4234

Details

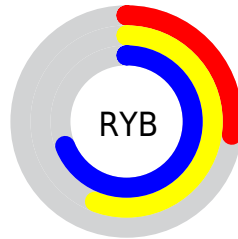
The XYZ color **21.0037, 33.5174, 21.5822** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **23.9350, 14.9499, 22.3939**, and the grayscale version is **23.7369, 24.9731, 27.1957**.

A 20% lighter version of the original color is **44.4358, 64.9389, 46.7517**, and **7.9429, 14.3124, 7.4982** is the 20% darker color. If you saturate the color by 10%, you get **19.4142, 32.7614, 18.6814**, and if you desaturate by 10%, it is **23.0252, 34.4907, 24.8267**.

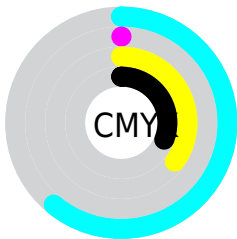
Distribution



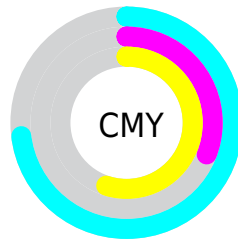
- Red (27%)
- Green (69%)
- Blue (45%)



- Red (27%)
- Yellow (56%)
- Blue (69%)



- Cyan (61%)
- Magenta (0%)
- Yellow (35%)
- Black (31%)





- Cyan (73%)
- Magenta (31%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0037, 33.5174, 21.5822 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 21.0037, 33.5174, 21.5822 by changing the saturation by 10% instead.


 21.0037, 33.5174,
21.5822


 21.0037, 33.5174,
21.5822


250.0295,
317.9748, 273.2385


 13.2392, 22.5231,
13.3549

 44.5849, 65.1825,
46.9478


 7.6716, 14.2418,
7.5398


 61.1323, 86.6221,
64.9231


 3.9356, 8.2890,
3.7184


 81.3381, 112.3122,
86.9848

 1.6657, 4.2804,
1.4722

 105.5676,
142.6372, 113.5515

 0.4347, 1.8316,
0.1971

 134.1861,
177.9816, 145.0417

 0.0000, 0.5068,
0.0000

167.5590,

 0.0000, 0.0000,

218.7297, 181.8739

0.0000

206.0517,
265.2660, 224.4667

■ 21.0037, 33.5174,
21.5822

■ 21.0037, 33.5174,
21.5822

■ 19.4142, 32.7614,
18.6814

■ 23.0252, 34.4907,
24.8267

■ 18.2178, 32.2004,
16.1102

■ 25.5077, 35.6934,
28.4240

■ 17.3731, 31.8139,
13.8567

■ 28.4808, 37.1415,
32.3852

■ 16.8512, 31.5820,
12.1540

■ 31.9707, 38.8483,
36.7207

■ 36.0017, 40.8261,
41.4402

■ 40.5965, 43.0864,
46.5531

■ 45.7766, 45.6401,
52.0683

■ 51.5622, 48.4975,
57.9946

■ 57.9725, 51.6683,
64.3405

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.7946, 33.5174, 12.4553



21.0037, 33.5174, 21.5822



19.9534, 33.5174, 39.0657

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.0037, 33.5174, 21.5822



32.7428, 33.5174, 92.0049



44.8131, 33.5174, 18.6587

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.0037, 33.5174, 21.5822



23.9350, 14.9499, 22.3939

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.7469, 33.5174, 34.0392



21.0037, 33.5174, 21.5822



40.1479, 33.5174, 80.3947

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.0037, 33.5174, 21.5822



26.1028, 33.5174, 84.7244



45.9236, 33.5174, 57.0569



38.4008, 33.5174, 11.2680

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.0037, 33.5174, 21.5822



20.7939, 33.5174, 54.7887



45.9236, 33.5174, 57.0569



46.2792, 33.5174, 22.8071

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.0046, 33.5188, 21.5830



60.1047, 71.4956, 69.1314



25.6534, 36.1523, 11.0951



12.5948, 15.2831, 14.4677



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.0046, 33.5188, 21.5830



34.2751, 58.9756, 31.9769



25.0529, 35.1381, 42.9012



8.5374, 9.5495, 9.8238



12.3919, 23.1827, 9.0665



0.4194, 0.7412, 0.4405

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.9350, 14.9499, 22.3939



40.0378, 22.3242, 33.4707



21.2493, 13.8756, 8.2511



8.6906, 8.5830, 9.8694



14.8334, 7.4509, 9.5488



0.4954, 0.2459, 0.4513

Previews

White Background



This preview shows how the XYZ color 21.0037, 33.5174, 21.5822 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.0037, 33.5174, 21.5822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0037, 33.5174, 21.5822

Background



This preview shows how black text looks on a background with the XYZ color 21.0037, 33.5174, 21.5822.



This preview shows how white text looks on a background with the XYZ color 21.0037, 33.5174,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.0037, 33.5174, 21.5822

Protanopia

30.4713, 32.8081, 18.3623

Deuteranopia

33.4900, 32.8205, 22.6590



Tritanopia

26.4629, 33.4653, 48.7808

Trichromacy



Original Color

21.0037, 33.5174, 21.5822



Protanomaly

25.3732, 32.2040, 19.3467



Deuteranomaly

26.7124, 31.7909, 22.1811



Tritanomaly

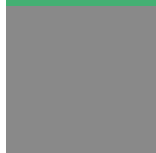
24.0421, 33.3095, 37.0605

Monochromacy



Original Color

21.0037, 33.5174, 21.5822



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.7111, 27.1629, 24.8676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0037, 33.5174, 21.5822 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(68, 176, 115)` looks like.

```
.text, #text, p{  
    color:rgb(68, 176, 115)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(68, 176, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 176, 115) }
```

Border

The CSS property to change the border of an element to XYZ 21.0037, 33.5174, 21.5822 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(68, 176, 115) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(68, 176, 115) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(68, 176, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 176, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 176, 115);  
box-shadow:4px 4px 4px 4px rgb(68, 176,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0037, 33.5174, 21.5822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 176, 115) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(68, 176,  
115) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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